1125-32-869 **Clifford J. Earle** and **Sudeb Mitra*** (sudeb.mitra@qc.cuny.edu), Department of Mathematics, Queens College, CUNY, 65-30 Kissena Boulevard, Flushing, NY 11367-1597.

Holomorphic families of isomorphisms of Möbius groups. Preliminary report.

This is an ongoing joint work with Clifford J. Earle. Let V be a simply connected complex Banach manifold with a basepoint. Let G be a subgroup of $\mathrm{PSL}(2,\mathbb{C})$, E be a subset of the Riemann sphere (containing at least 3 points), and suppose that E is invariant under G. In this talk, we will discuss a new result on holomorphic families of isomorphisms of G. Our result crucially depends on the conformal naturality and real-analyticity of "Douady-Earle" sections (also called "barycentric sections") of some generalized Teichmüller spaces. (Received September 12, 2016)